

State Highway and Transportation Department  
Concrete Plant Inspector's CheckList

1. Aggregates
  - a. Stockpile foundation condition
  - b. Aggregate stockpiled properly
  - c. Handling of aggregates
2. Cement and Fly Ash
  - a. Has material been properly sampled?
  - b. Are storage facilities adequate?
  - c. Have proper certificates been received?
3. Batching Equipment
  - a. Bins and loading hopper checked for conditions and compliance with specifications
  - b. All scales checked and calibrated
  - c. Sensitivity of scales checked
  - d. Water meter checked for accuracy
  - e. Transit mix truck condition
  - f. Revolution counter operation
4. Mix Proportions
  - a. Approved mix design received
  - b. Size and batch determined
  - c. Mix design proportions adjusted for desired air content
5. Batch Quantities
  - a. Dry weights per batch established for:
    - Sacks or pounds of cement and fly ash
    - Pounds of fine aggregate
    - Pounds of coarse aggregate
  - b. Total water required per batch
  - c. Total yield (including air) per batch
  - d. Quantity of air entraining agent required per batch
  - e. Quantity of other additives required per batch
6. Moisture Content
  - a. Percent total moisture for each aggregate
  - b. Gallons of effective moisture per batch
  - c. Gallons of water to be added at mixer
7. Scale Weights per Batch
  - a. Cement same as dry weight
  - b. Fly ash weight
  - c. Aggregate (dry weight plus total moisture in pounds per each aggregate)

- d. Scales balanced and counterbalances securely fastened
  - e. Scale weights for each material set and checked
  - f. Admixture measurement devices adjusted to measure correct amount
  - g. Water meter adjusted
8. Batching and Hauling
- a. Batch trucks adequate for size of batch
  - b. No spillage or contamination while loading
  - c. Empty batch trucks clean and free of foreign material
  - d. Condition of agitating and non-agitating equipment for hauling Central Mix Concrete
  - e. Pre-wet mixer at beginning of operations
  - f. Set revolution counter to zero at beginning of operations
9. Routine Duties
- a. Systematic check of scale settings during the day
  - b. Regular daily checks on cement received and used
  - c. Constant testing and checking moisture content of aggregates
  - d. Daily report prepared and records kept up to date
  - e. Fill out haul tickets